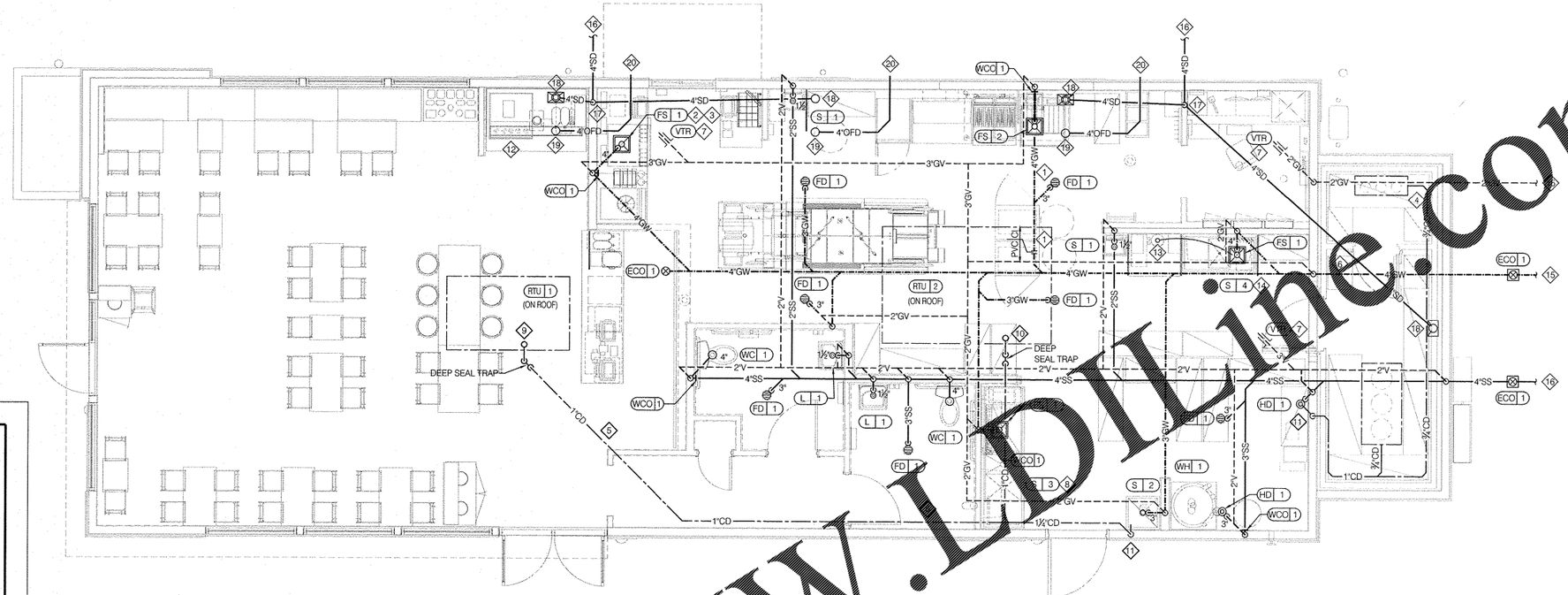
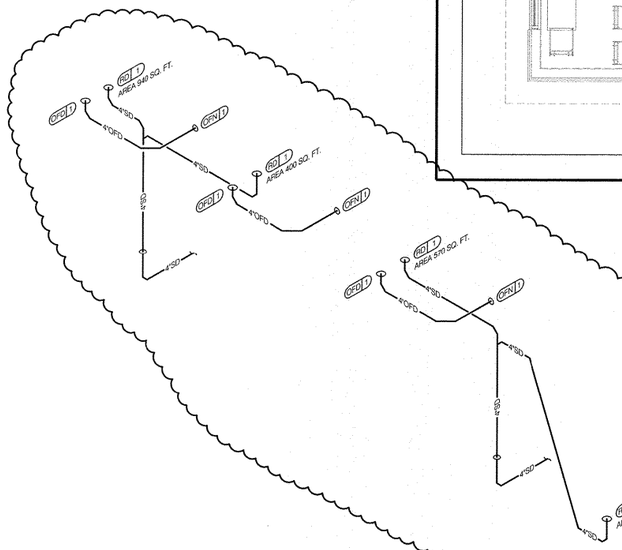


WASTE & VENT PLAN 1/4"=1'-0" A



PER FIGURE 1106.0 (2012 NCPC) 3.6 IN./HR FOR PRIMARY ROOF DRAIN. 7.0 IN./HR FOR SECONDARY ROOF DRAIN.

ROOF DRAIN ISOMETERIC N.T.S. C

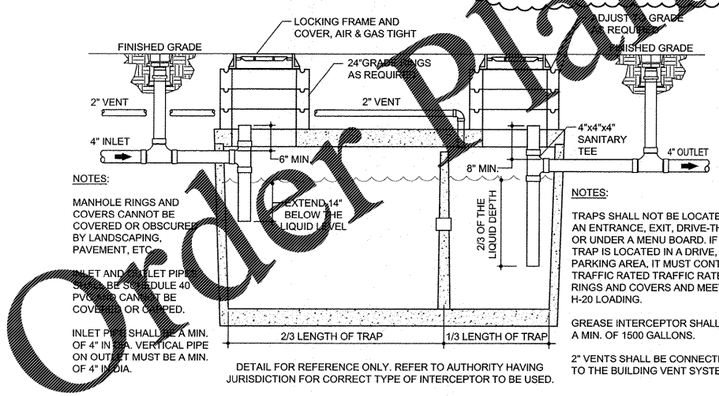
SANITARY SEWER LOAD CALC.

MARK	FIXTURE/EQUIPMENT	QUANTITY	WASTE	
			WASTE F.U. PER FIXTURE	TOTAL F.U. PER FIXTURE
FD-1	FLOOR DRAIN	3	2.0	6.0
WC	WATER CLOSET	2	4.0	8.0
L-1	LAVATORY	2	1.0	2.0
S-1	HAND SINK	2	2.0	4.0
HD-1	HUB DRAIN	2	2.0	4.0
TOTALS				24
MAXIMUM WASTE DEMAND AT 24.0 F.U. = 4" SANITARY SEWER WASTE				

GREASE WASTE LOAD CALC.

MARK	FIXTURE/EQUIPMENT	QUANTITY	WASTE	
			WASTE F.U. PER FIXTURE	TOTAL F.U. PER FIXTURE
FD-1	FLOOR DRAIN	4	2.0	8.0
FS-1	FLOOR SINK	3	2.0	6.0
FS-2	FLOOR SINK	1	2.0	2.0
S-2	MOP SINK	1	5.0	5.0
TOTALS				21.0
MAXIMUM WASTE DEMAND AT 21.0 F.U. = 4" GREASE WASTE				

PLUMBING SCHEDULES N.T.S. B



NOTES:

MANHOLE RINGS AND COVERS CANNOT BE COVERED OR OBSCURED BY LANDSCAPING, PAVEMENT, ETC.

INLET AND OUTLET PIPES SHALL BE SCHEDULE 40 PVC AND CANNOT BE COVERED OR CAPPED.

INLET PIPE SHALL BE A MIN. OF 4" IN DIA. VERTICAL PIPE ON OUTLET MUST BE A MIN. OF 4" IN DIA.

NOTES:

TRAPS SHALL NOT BE LOCATED IN AN ENTRANCE, EXIT, DRIVE-THRU OR UNDER A MENU BOARD. IF TRAP IS LOCATED IN A DRIVE, PARKING AREA, IT MUST CONTAIN TRAFFIC RATED TRAFFIC RATED RINGS AND COVERS AND MEET H-20 LOADING.

GREASE INTERCEPTOR SHALL BE A MIN. OF 1500 GALLONS.

2" VENTS SHALL BE CONNECTED TO THE BUILDING VENT SYSTEM.

DETAIL FOR REFERENCE ONLY. REFER TO AUTHORITY HAVING JURISDICTION FOR CORRECT TYPE OF INTERCEPTOR TO BE USED.

GREASE INTERCEPTOR DETAIL N.T.S. F

A. NO ROOF PENETRATIONS PERMITTED WITHIN ROOF WATER PLY. REFER TO ROOF PLAN FOR LOCATIONS.

B. REFER TO RISER DIAGRAM ON SHEET P5.0 FOR ALL WASTE AND VENT SIZES.

C. RAIN CALCULATIONS BASED ON NORTH CAROLINA PLUMBING CODE.

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WASTE & VENT PLAN NOTES E

1. UNDERGROUND GREASE WASTE PIPE SHALL BE HUB CAST IRON PIPE FOR THE FIRST 10 FEET FROM CONNECTION TO FLOOR SINK FS-2, OUTWARD.
2. PROVIDE CONDENSATE LINE AND DRAIN LINE FROM ICE MACHINE TO FLOOR SINK, PROVIDE AIR GAP PER LOCAL CODE.
3. PROVIDE WASTE LINES FROM BEVERAGE UNIT TO FLOOR SINK, PROVIDE AIR GAP PER LOCAL CODE.
4. PROVIDE 3/4" COPPER CONDENSATE FROM COOLER/FREEZER EVAPORATOR DRAIN PROVIDED BY VENDOR TO OUTFALL AT FLOOR SINK (HEAT ROPE IS SUPPLIED WITH FREEZER CONDENSATE).
5. PVC OR COPPER CONDENSATE DRAIN FROM HVAC UNITS ON ROOF, RUN ABOVE CEILING. PIPING SHALL SLOPE 1/4" PER FOOT AND SHALL BE INSULATED WITH 1" CLOSED CELLULAR INSULATION. REFER TO RISER DIAGRAM ON SHEET P5.0 FOR PIPE SIZES.
6. ENTIRE RUN OF DRAIN LINES TO INLET OF EXTERIOR GREASE INTERCEPTOR AND OUTLET OF INTERCEPTOR TO CONNECTION AT SANITARY MAIN SHALL BE SCHEDULE 40 PVC DWV OR AS REQUIRED BY THE AUTHORITY HAVING JURISDICTION.
7. 3" VENT UP THROUGH ROOF, COORDINATE WITH HVAC INTAKES CLEARANCES.
8. PIPE WASTE FROM 3-COMPARTMENT SINK TO FLOOR SINK WITH AIR GAP PER CODE.
9. 1" CONDENSATE DRAIN DOWN FROM RTU-1. SEE DETAIL 13 ON DRAWING P6.0.
10. 1" CONDENSATE DRAIN DOWN FROM RTU-2. SEE DETAIL 13 ON DRAWING P6.0.
11. 2" CONDENSATE DRAIN PIPE DOWN IN WALL TO MOP SINK OR HUB DRAIN. ROUTE CONDENSATE PIPING TO EXTERIOR DRYWELL, RETENTION AREA OR STORM SEWER AS DIRECTED BY THE AUTHORITY HAVING JURISDICTION, IF REQUIRED.
12. RUN DRAIN LINE FROM S/S DRINK MACHINE THRU WALL OPENING. TO OUTFALL AT FLOOR SINK BENEATH D/T DRINK MACHINE.
13. ¾" DRAIN FOR REVERSE OSMOSIS.
14. PIPE WASTE FROM PREP SINK TO FLOOR SINK WITH AIR GAP PER CODE.
15. ROUTE TO GREASE INTERCEPTOR SEE CIVIL DRAWINGS FOR EXACT LOCATION.
16. FOR CONT. SEE CIVIL DRAWINGS.
17. 4" ROOF DRAIN LINE DOWN IN WALL.
18. 4" UP TO ROOF DRAIN.
19. 4" UP TO OVERFLOW DRAIN.
20. EMERGENCY DRAIN NOZZLE. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATION.

KEY NOTES D

Cedar Plans @ www.LDline.com

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DeVita & Associates, Inc. Project No. 17002-22
Drawn by: MAS Checked by: DV
NC Firm License # C-0819

NORTH CAROLINA REGISTERED SEAL 037519 ENGINEER DAVID VIGIL 11/17/17

12144.400

⚠1 ELECTRICAL COMMENTS	11/17/2017
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CONTRACT DATE:	10.2.17
BUILDING TYPE:	EXP. LITE MED40
PLAN VERSION:	DECEMBER 2016
SITE NUMBER:	311687
STORE NUMBER:	436563

TACO BELL
3923 SHAKEDOWN ST.
CHARLOTTE, NC

TACO BELL
EXPLORER LITE
MEDIUM54

PLUMBING WASTE FLOOR PLAN

P2.0